



PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2001161740 A

(43) Date of publication of application: 19.06.2001

(51) Int. Cl. A61F 9/007

(21) Application number: 2000340298

(22) Date of filing: 26.01.1995

(30) Priority: 28.01.1994 US 1994 188188

24.01.1995 US 1995 378533

(62) Division of application: 07520232

(71) Applicant: ALLERGAN SALES INC

(72) Inventor: BILLY JOHN BARWICK JR
JAMES H LITTLE(54) OPERATING METHOD OF ULTRASONIC
PHACOEMULSIFICATION APPARATUS

larger than the third duty cycle.

COPYRIGHT: (C)2001,JPO

(57) Abstract:

PROBLEM TO BE SOLVED: To provide an operating method to implement the programming so as to be useful for the operation different from each other according to the experiences and the ability of an operator in operating a ultrasonic phacoemulsification apparatus provided with a pulsed ultrasonic wave source.

SOLUTION: The operating method of the ultrasonic phacoemulsification apparatus provided with the pulsed ultrasonic wave source comprises the steps of (a) the ultrasonic wave source is driven in the first duty cycle before the intensity level exceeds the first predetermined value; (b) the ultrasonic wave source is driven in the second duty cycle larger than the first one before the intensity level exceeds the second predetermined value larger than the first one; (c) the ultrasonic wave source is driven in the third duty cycle larger than the second one before the intensity level exceeds the third predetermined value larger than the second one; and (d) the ultrasonic source is driven in the duty cycle

